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Sheet _____ of _____

Complete if Known

Application Number	09/575,551
Filing Date	May 22, 2000
First Named Inventor	Raymon F. THOMPSON
Art Unit	3852
Examiner Name	James W. Keenan
Attorney Docket Number	54008.8009.US02

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**Examiner
Signature**

J. Keenan

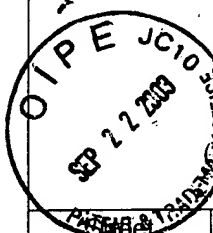
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Considered	

11/14/03

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<div style="text-align: center;">  <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>Form PTO-1449 (Modified)</p> <p>(Use several sheets if necessary)</p> </div>	COMPLETE IF KNOWN #70		
	Application Number		09/575,551
	Confirmation Number		1306
	Filing Date		May 22, 2000
	First Named Inventor		Raymon F. THOMPSON
	Group Art Unit		3652
Examiner Name		James W. Keenan	
Attorney Docket No.		54008.8009.US02	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
C	AA	4,744,715		Kawabata	05-17-88	
JK	AB	4,777,732		Hirano	10-18-88	
JK	AC	5,064,337		Asakawa et al.	11-12-91	
JK	AD	5,110,248		Asano	05-05-92	
JK	AE	5,181,810		Sakata et al.	01-26-93	
JK	AF	5,378,145		Ono et al.	01-03-95	
JK	AG	5,462,397		Iwabuchi	10-31-95	
JK	AH	5,464,313		Ohsawa	11-07-95	
JK	AI	5,468,112		Ishii et al.	11-21-95	
JK	AJ	5,562,383		Iwai	10-08-96	
JK	AK	5,586,585		Bonora	12-24-96	
JK	AL	5,697,749		Iwabuchi et al.	12-16-97	
JK	AM	5,730,573		Masujima et al.	03-24-98	
JK	AN	5,788,448		Wakamori et al.	08-04-98	
JK	AO	5,944,475		Bonora et al.	08-31-99	

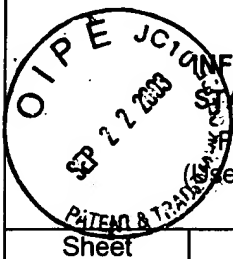
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	NUMBER	Kind Code (if known)			
JK	AP	EP	0 047 132 A2		Heraeus Quarzschmelze GMBH	10.03.82	
JK	AQ	JP	1-253232		TEL Sagami Ltd.	09.10.89	
JK	AR	EP	0 452 939 A1		Applied Materials, Inc.	23.10.91	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

EXAMINER <div style="font-size: 1.5em; font-family: cursive;">J. Keenan</div>	DATE CONSIDERED <div style="font-size: 1.5em; font-family: cursive;">11/14/03</div>
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STATEMENT BY APPLICANT

Form PTO-1449 (Modified)
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Application Number	09/575,551
Confirmation Number	1306
Filing Date	May 22, 2000
First Named Inventor	Raymon F. THOMPSON
Group Art Unit	3652
Examiner Name	James W. Keenan
Attorney Docket No.	54008.8009.US02

Sheet 2 of 3

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JK	AS	4,431,361	02/14/84	Bayne			
	AT	4,449,885	05/22/84	Hertel et al.			
	AU	4,568,234	02/04/86	Lee et al.			
	AV	4,705,444	11/10/87	Tullis et al.			
	AW	4,724,874	02/16/88	Parikh et al.			
	AX	4,746,256	05/24/88	Boyle et al.			
	AY	4,802,809	02/07/89	Bonora et al.			
	AZ	4,840,530	06/20/89	Nguyen			
	BA	4,924,890	05/15/90	Giles et al.			
	BB	5,054,988	10/08/91	Shiraiwa			
V	BC	5,055,036	10/08/91	Asano et al.			

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JR	BD	DE 43 26 309 C1	08/05/93	Germany				
JR	BE	JP 1-048442	02/1989	Japan				
JR	BF	JP 4-144150	05/18/92	Japan				
JR	BG	JP 5-146984	06/15/93	Japan				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

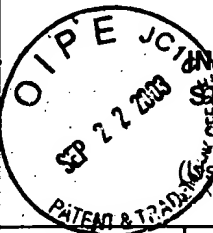
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				Application Number 09/575,551 Confirmation Number 1306 Filing Date May 22, 2000 First Named Inventor Raymon F. THOMPSON Group Art Unit 3652 Examiner Name James W. Keenan Attorney Docket No. 54008.8009.US02	
Sheet 3	of	3			

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
JK ↓	BH	5,110,248	05/05/92	Asano et al.			
	BI	5,125,784	06/30/92	Asano			
	BJ	5,178,639	01/12/93	Nishi			
	BK	5,180,273	01/19/93	Sakaya et al.			
	BL	5,186,594	02/16/93	Toshima et al.			
	BM	5,232,328	08/03/93	Owczarz et al.			
	BN	5,301,700	04/12/94	Kamikawa et al.			
	BO	5,363,867	11/15/94	Kawano et al.			
	BP	5,388,945	02/14/95	Garric et al.			
	BQ	5,464,313	11/07/95	Ohsawa			
	BR	5,544,421	08/13/96	Thompson et al.			

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FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
JK JK JK	BS	JP 5-211224	08/20/93	Japan	_____			
	BT	WO 81/02533	9/17/81	PCT	_____			
	BU	JP 6-177109	6/94	Japan	_____			

Abs. only

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			

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